ABSTRACT OF THE DISCLOSURE

[0071] The present invention provides a hand held dermoscopy epiluminescense device having a generally circular optical magnification lens incorporated into the housing of the device. A lighting array provides the light necessary for medical examination of the skin. The lighting array comprises a ring of LEDs comprising four different colored sets of LEDs each on a different lighting circuit. The four colors comprise White, UV/Blue (405 nm), green/yellow (565 nm) and orange/red (630nm). A second embodiment provides a hand held dermoscopy epiluminescense device with a magnification lens and an associated ring of luminous diodes powered by an on board battery. Every other diode in the ring operates as first and second light sources. The even diodes are filtered by a first polarization ring and the odd diodes are filtered by a second polarization ring. Each polarization ring has an open center for the lens and openings sized and positioned to correspond to the even or odd diodes to only filter one set. A viewing polarizer is provided and is cross-polarized relative to the first polarization ring and is parallel-polarized with the second polarization ring. The device is threaded to mate with a camera or camera lens.